

**Abstract:**

An autoclavable needle assembly and method of making the same is provided for endodontic surgical procedures. The needle assembly includes a supporting  
5 hub member containing an adhesive in which one end of the needle is embedded. The surgical needle is preferably fabricated from NiTi alloy and includes, at its distal end, a side vent in the form of a skived  
10 portion extending a predetermined distance inwardly from the tip from the distal end of the needle. One or more coatings may be applied to the needle. An angle-adjustment sleeve can be bent to hold a desired angle in the needle.

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